

# Interconnect Fabric Module

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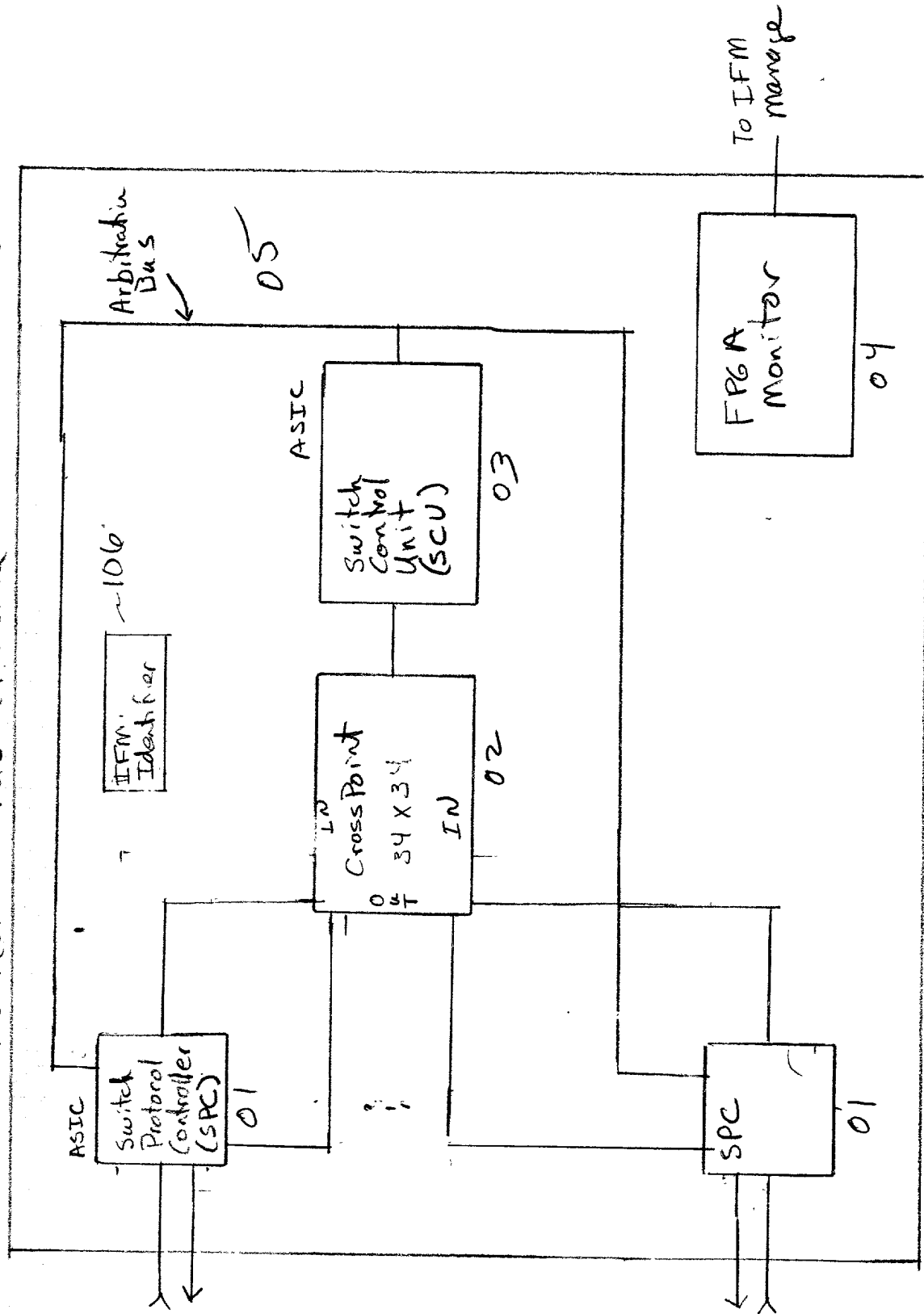


Fig 1

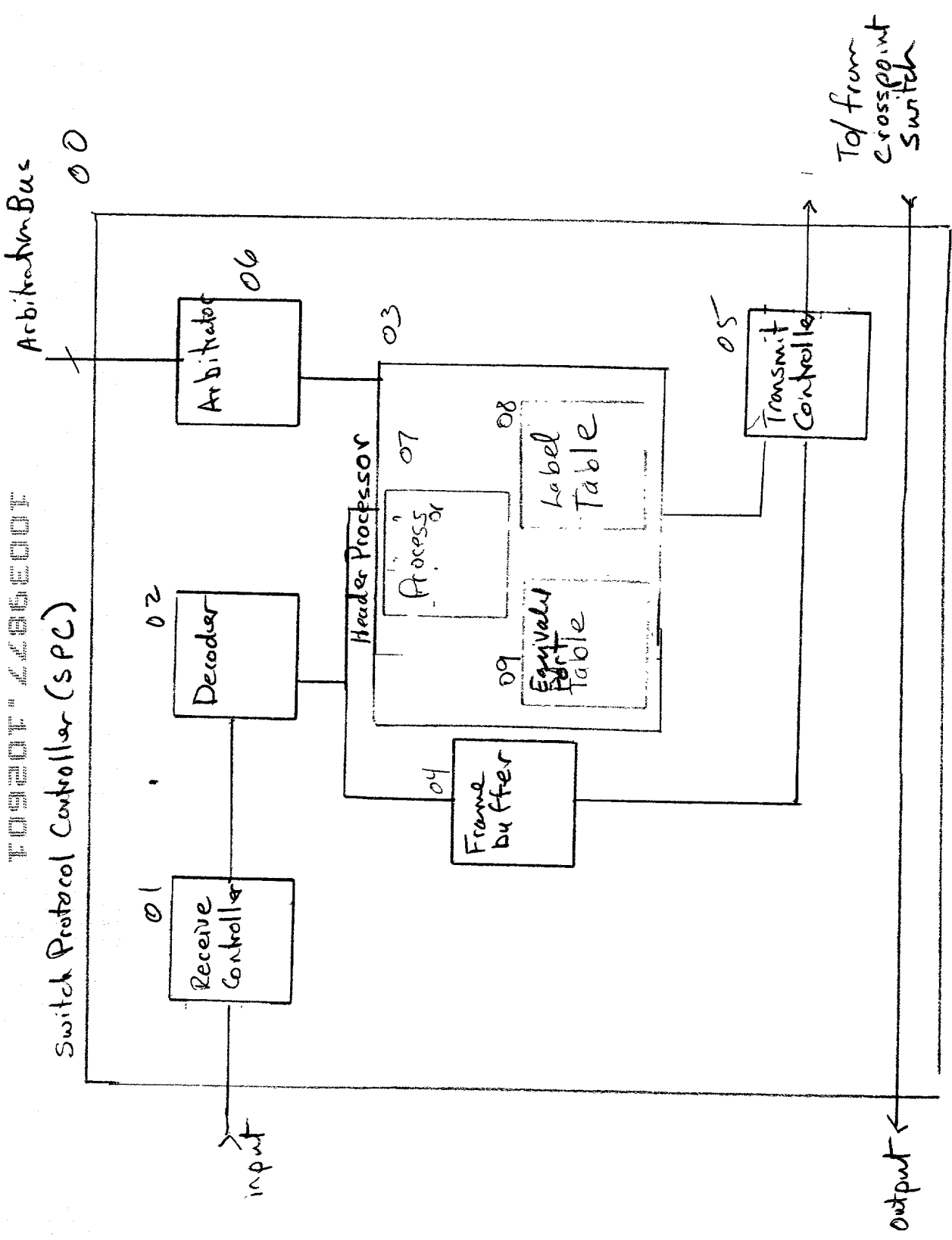


Fig 2

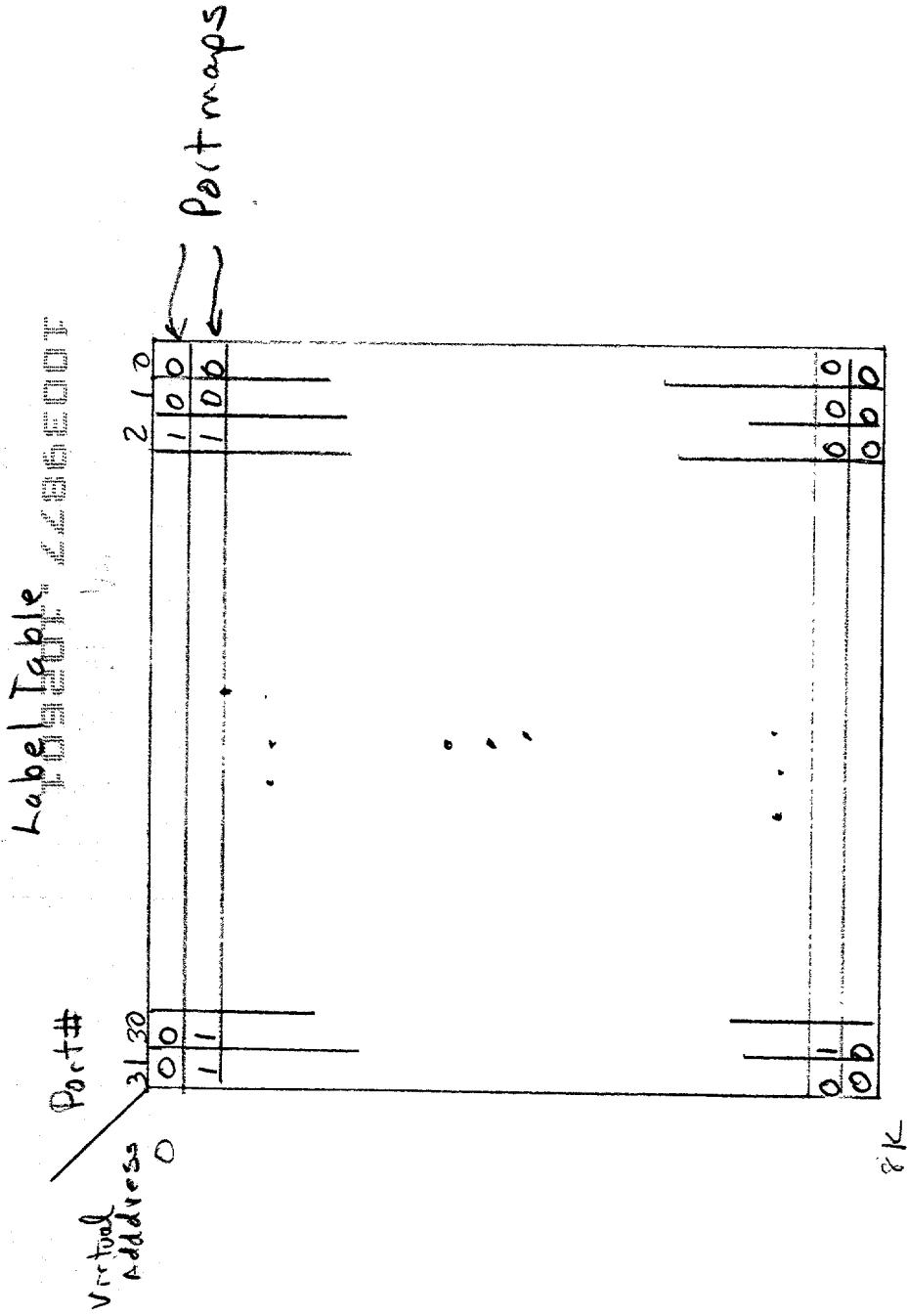


Fig 3

# Frame

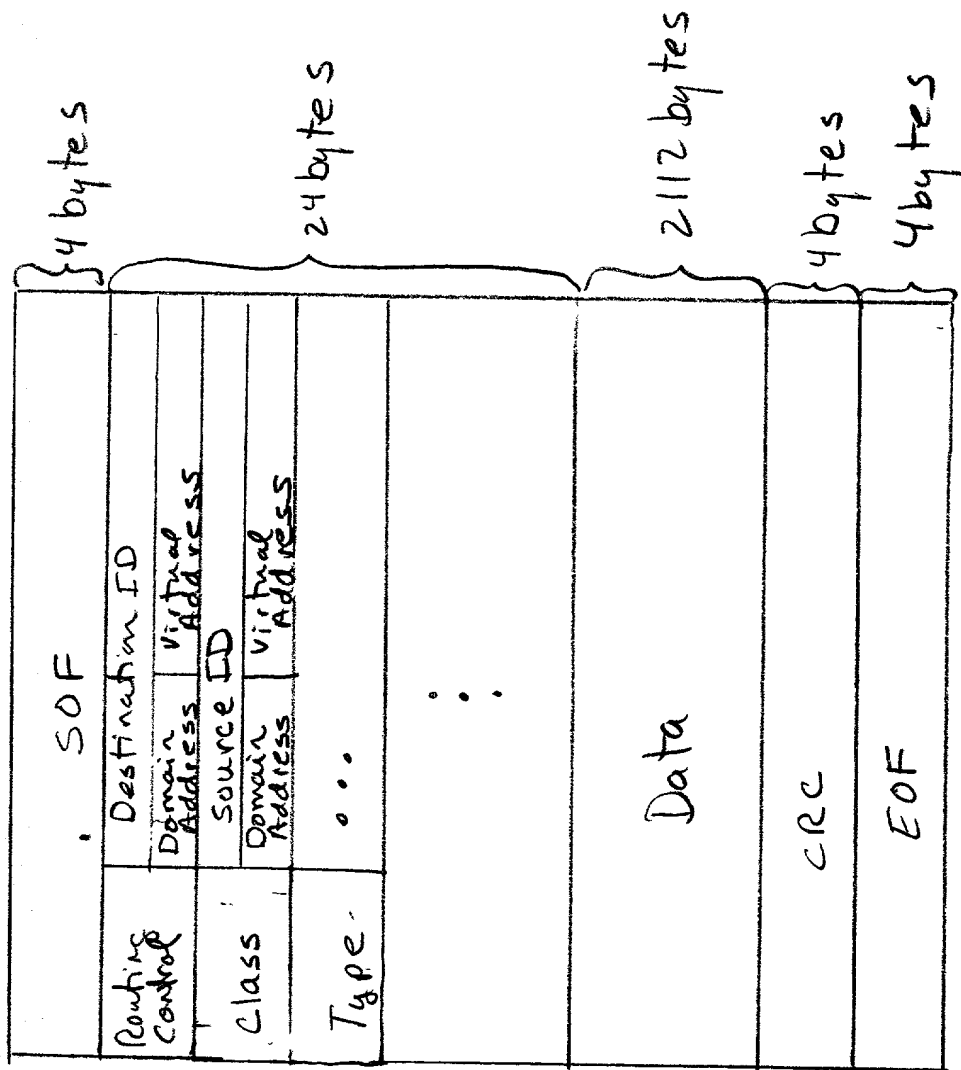


Fig 4

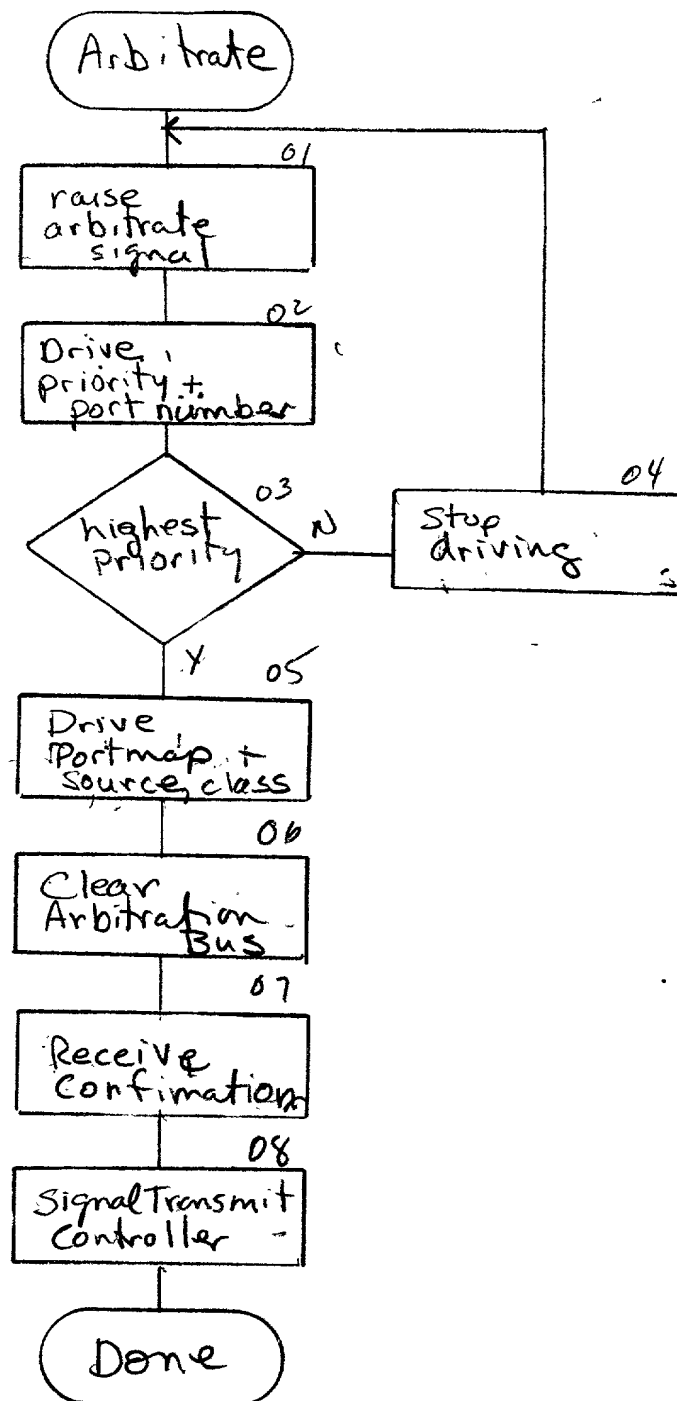


Fig 5

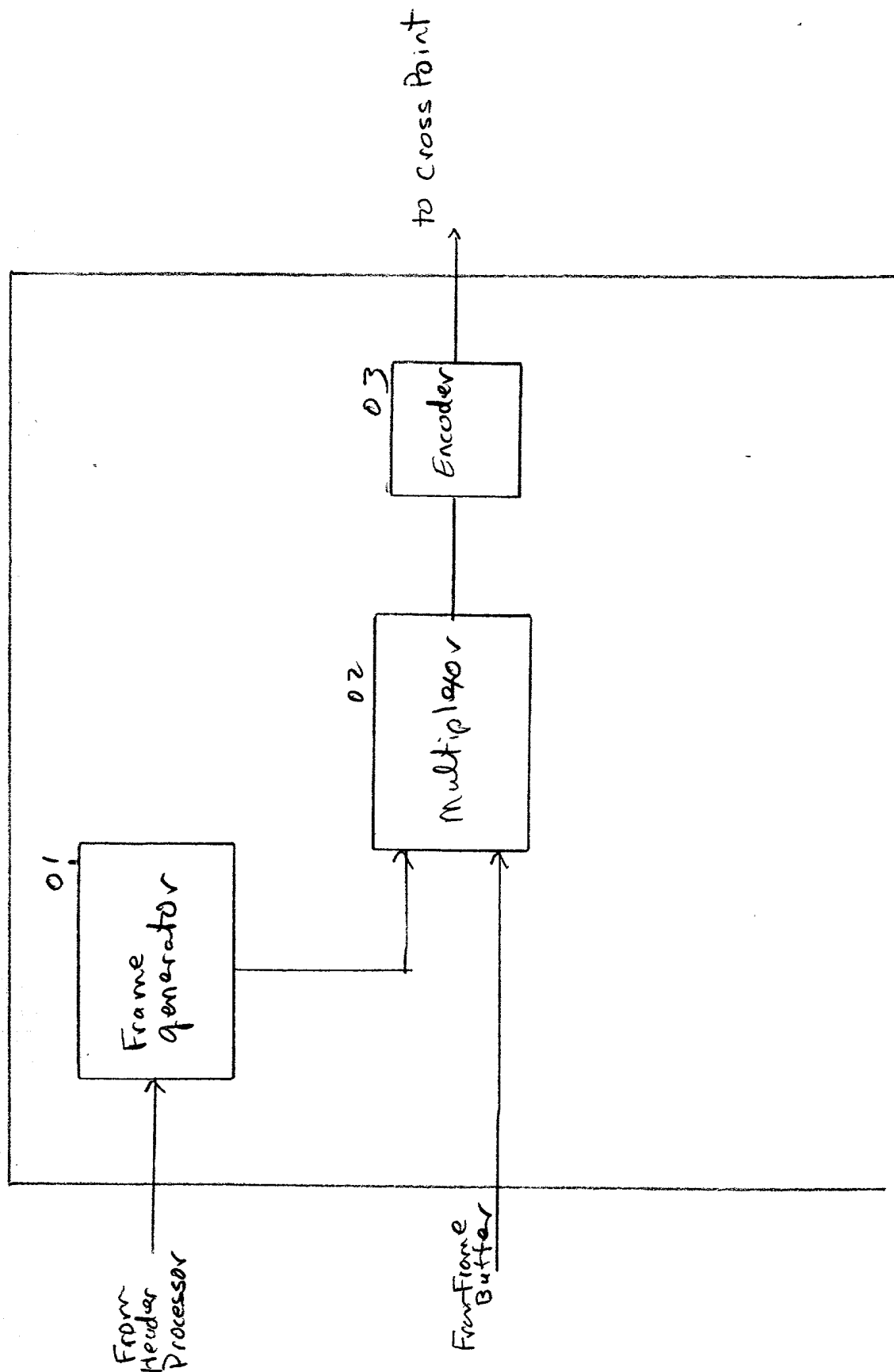


Fig 4

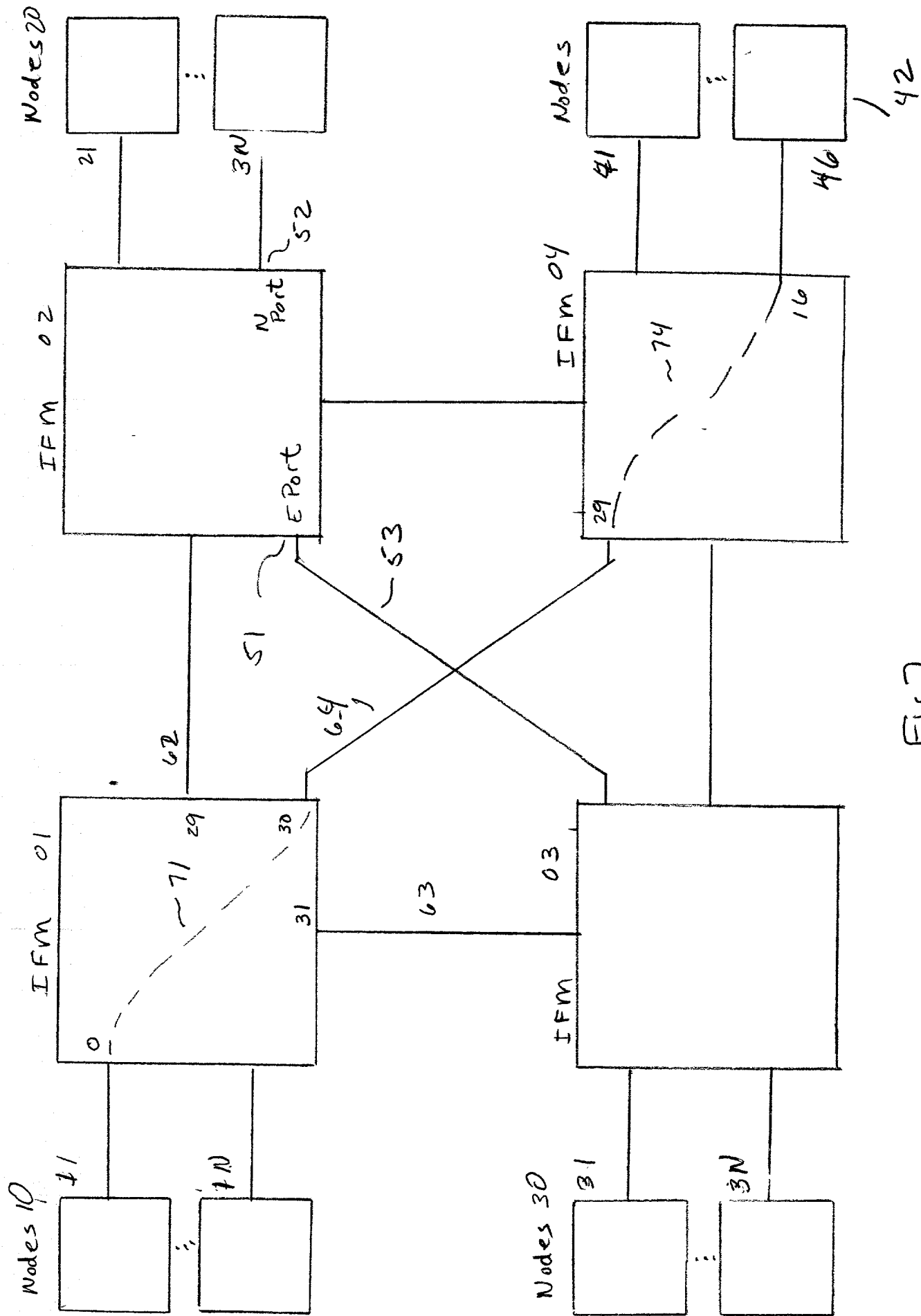


Fig 7

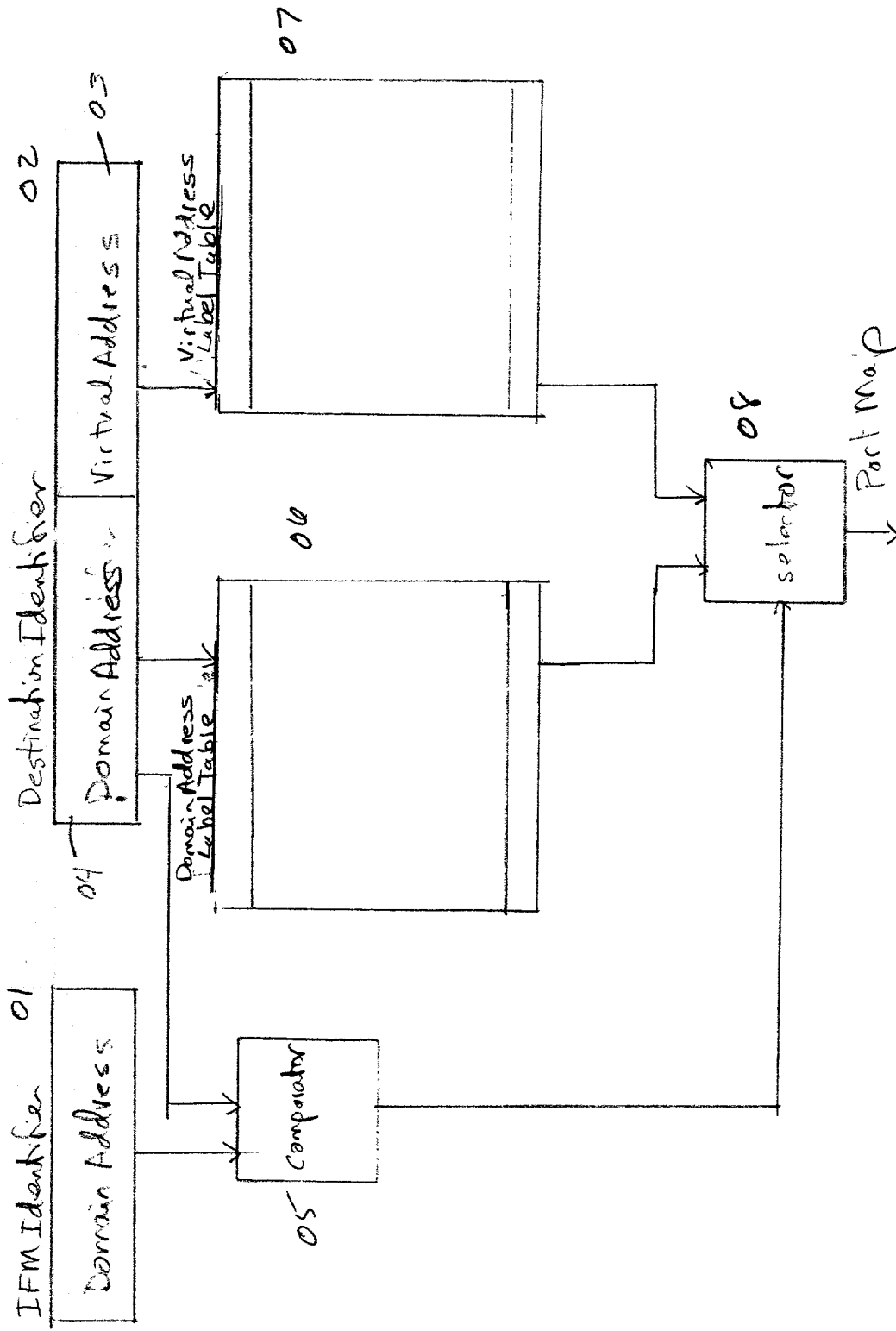


Fig. 8



Quad Switch Protocol Controller

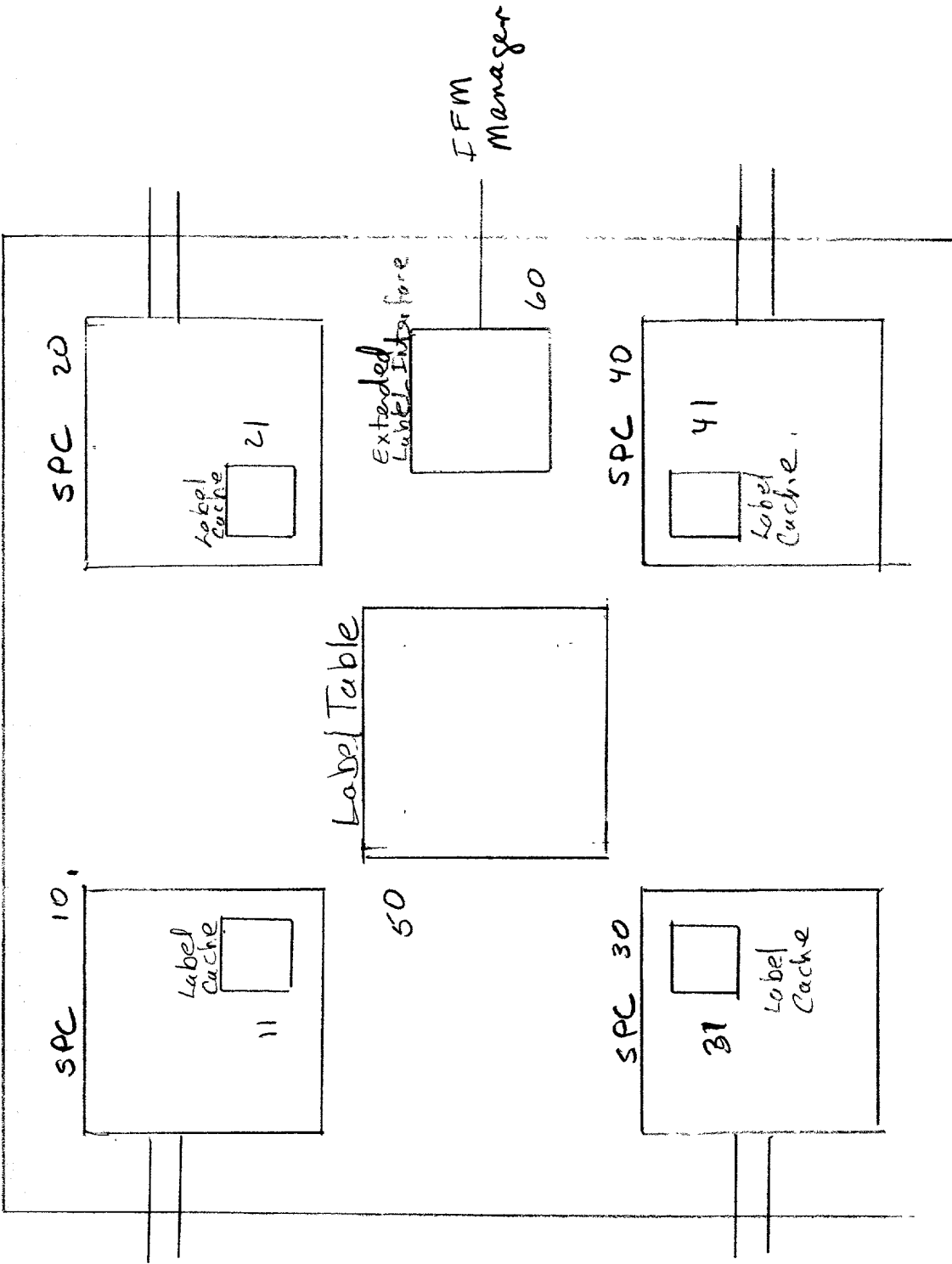


Fig 9

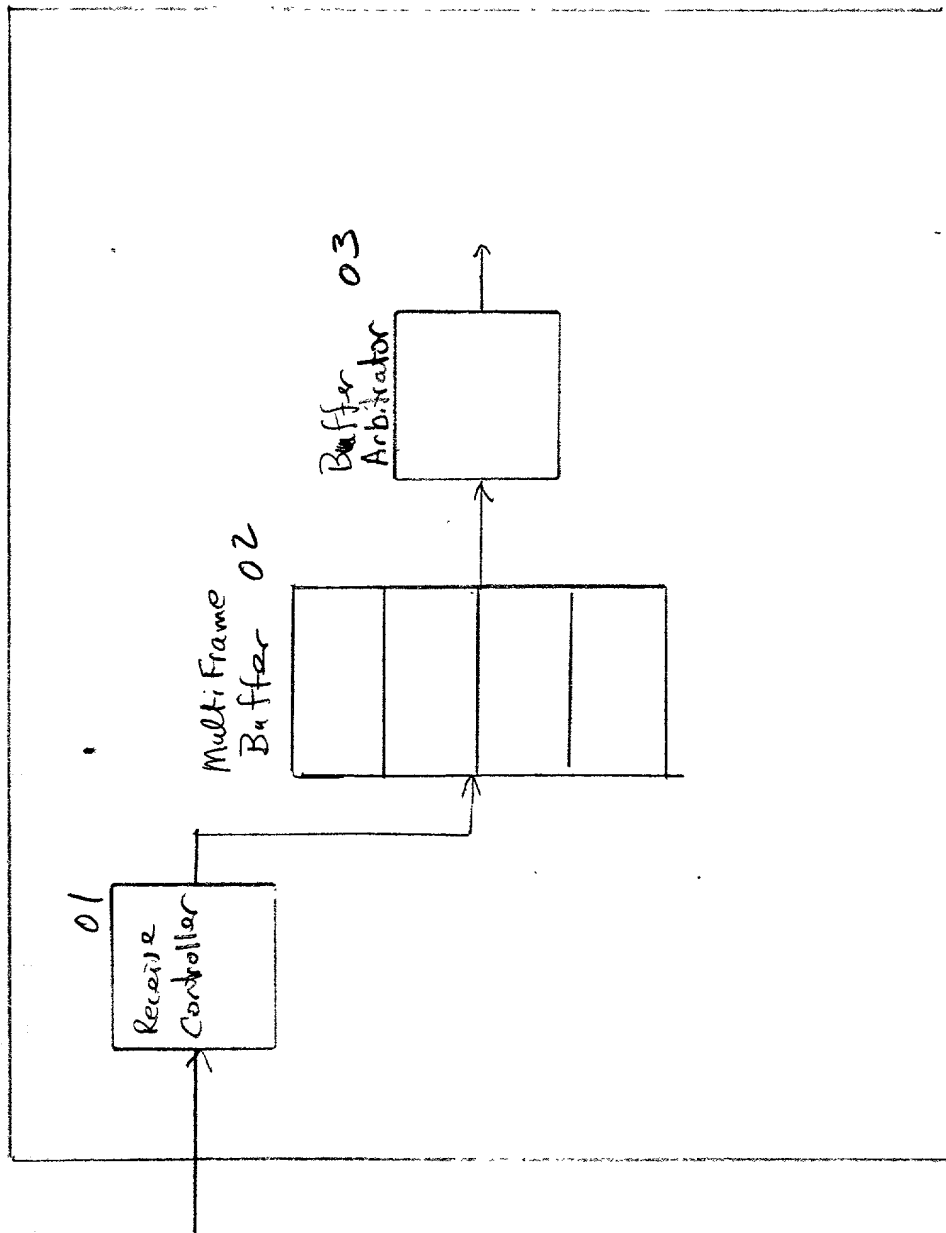


FIG 10

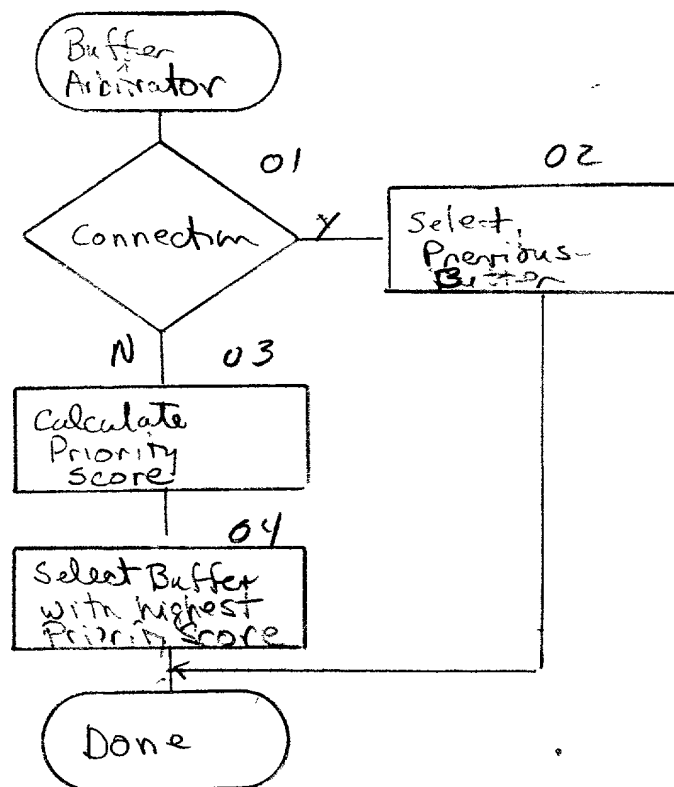


Fig 11

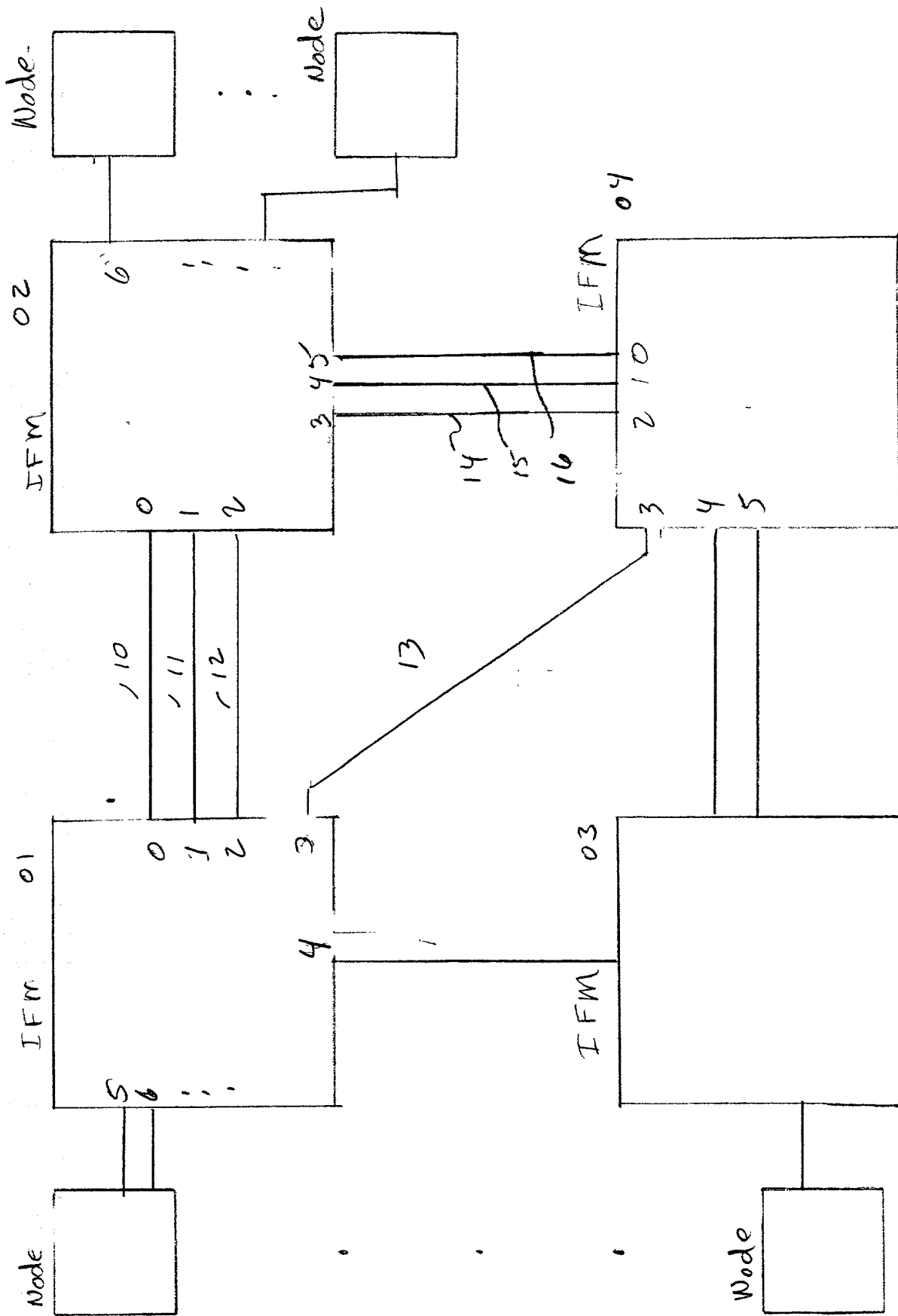


Fig 12

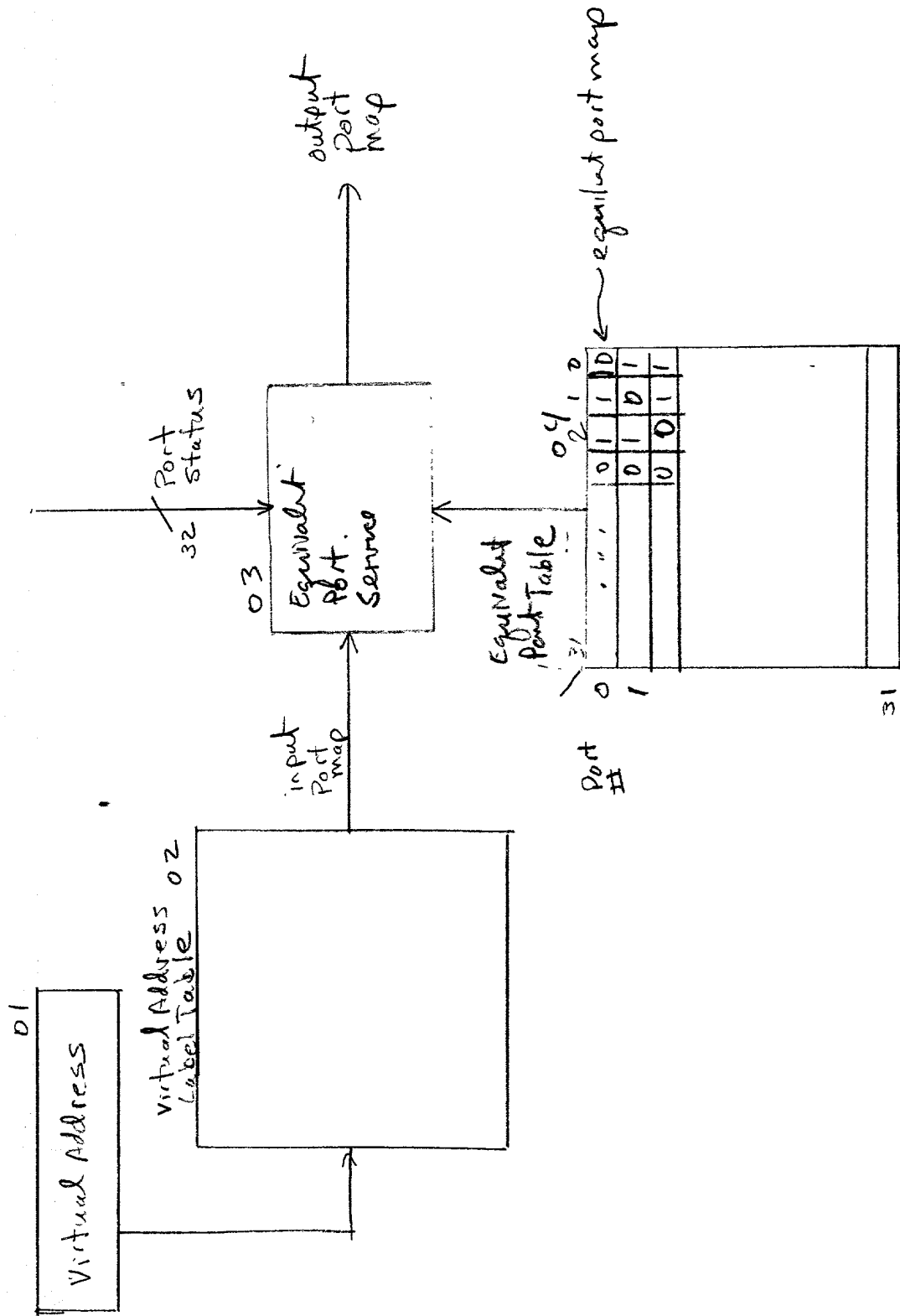


Fig 13

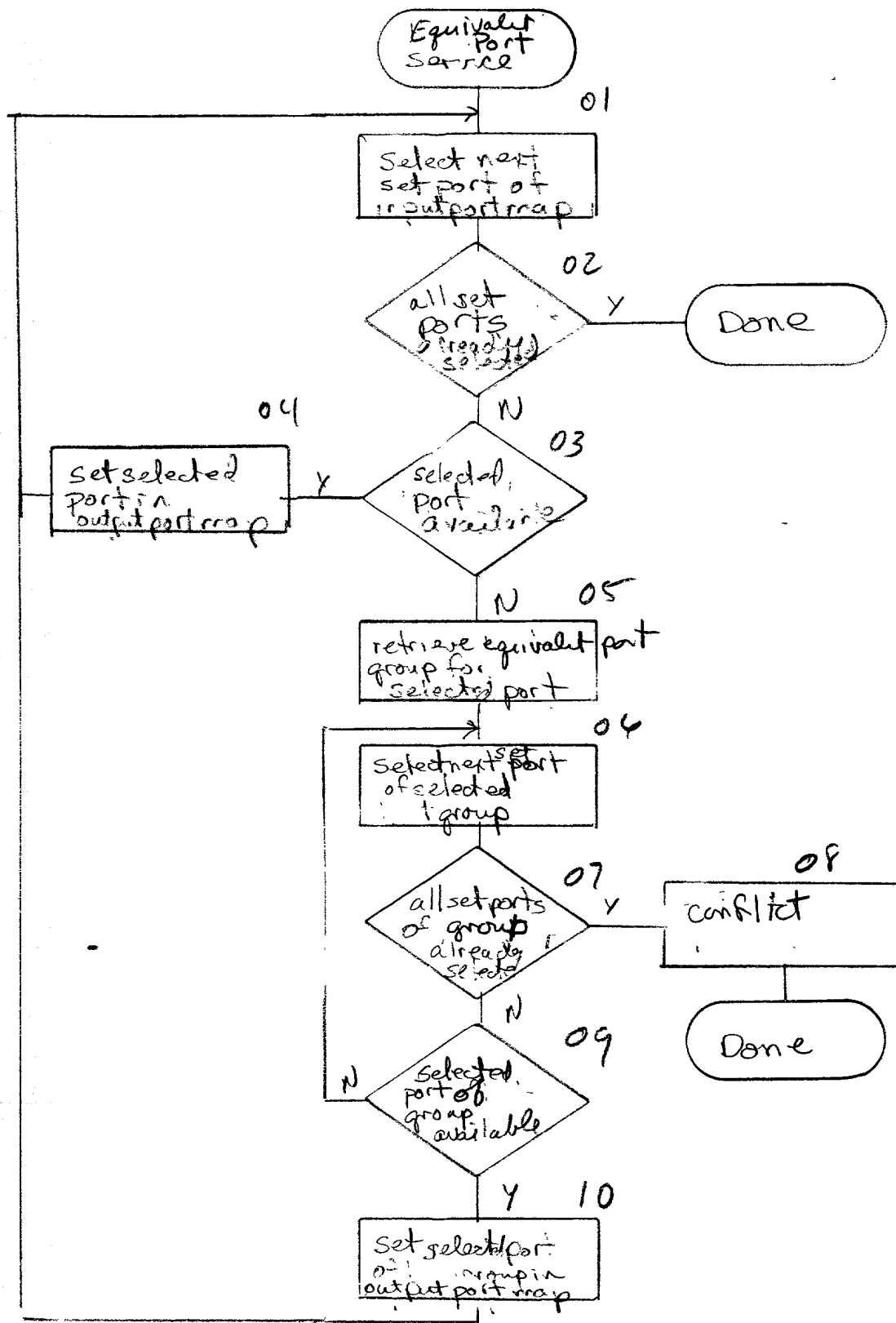


Fig 14

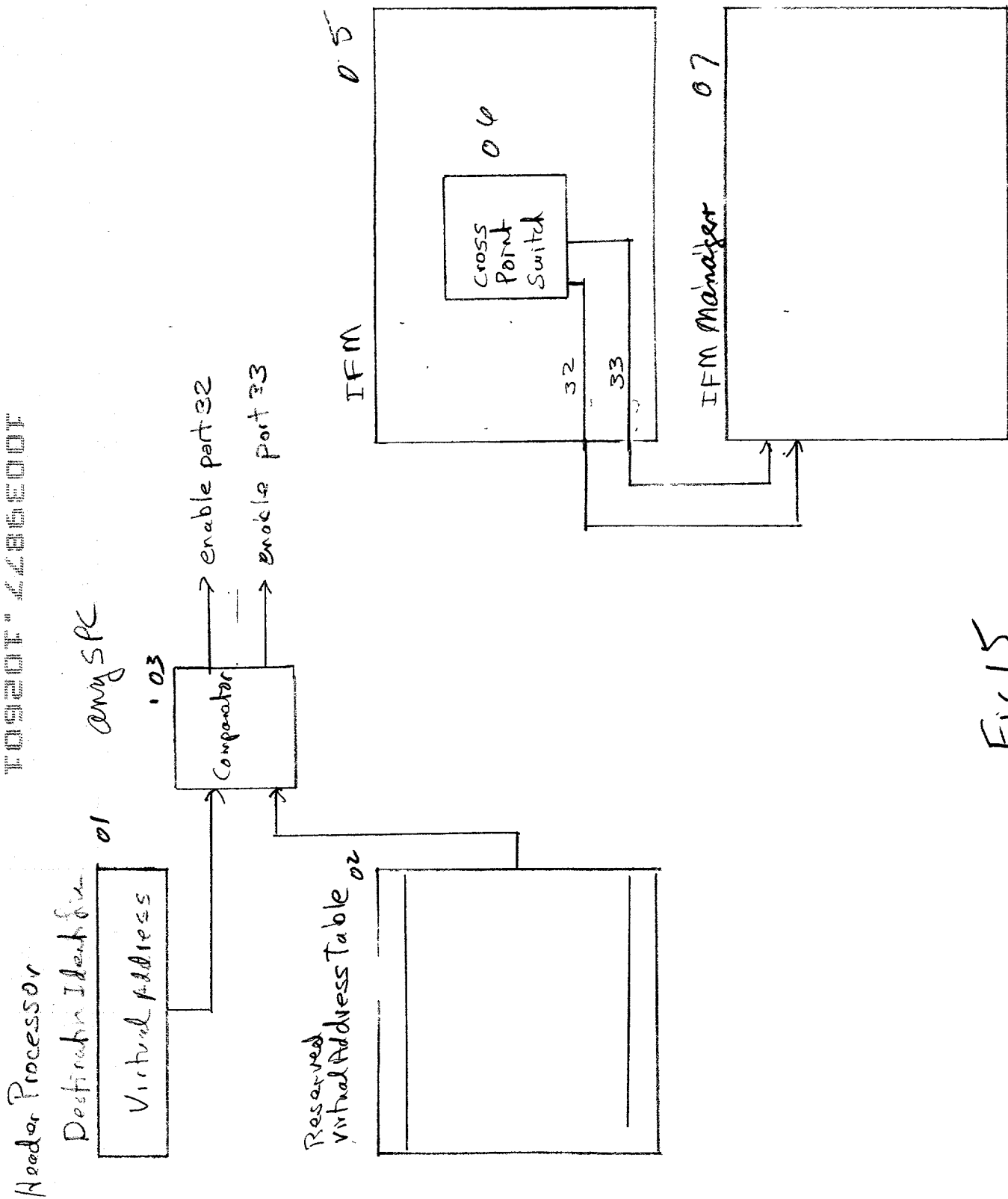
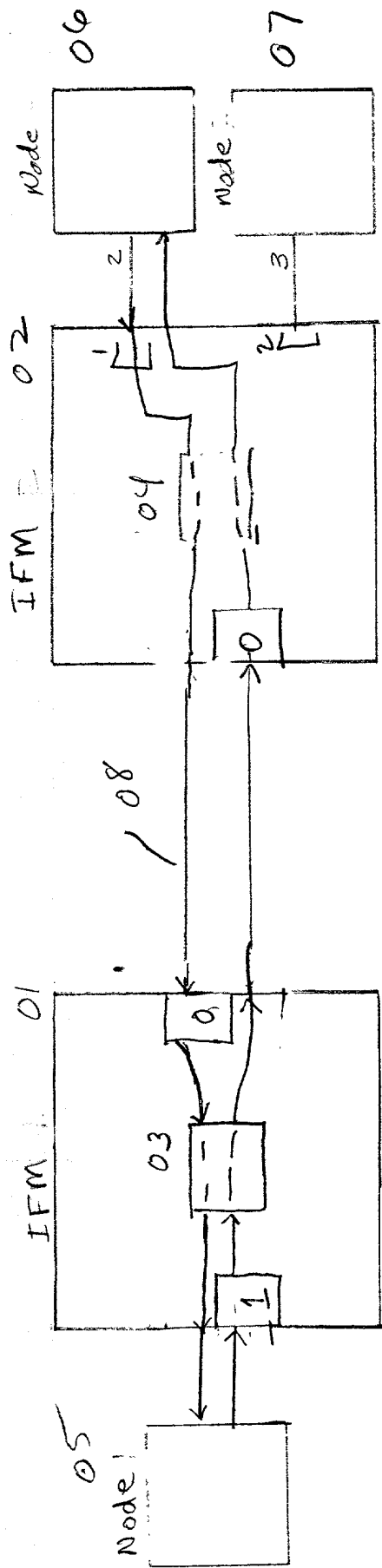


Fig 15



Dead lock

10

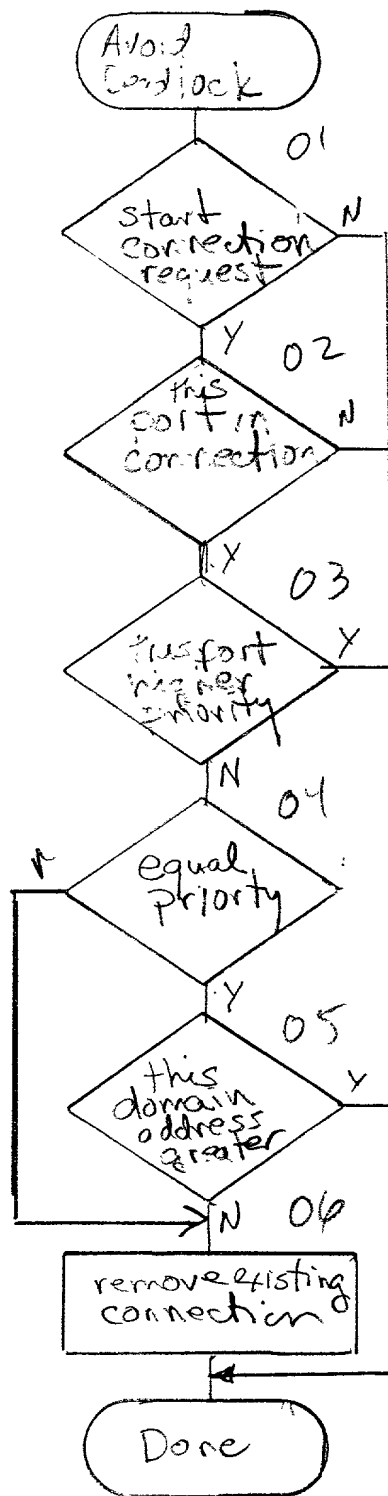
Time Node 1405 IFM 1601 Node 1606 IFM 1602

0 Send start connect 1 2 Send start connect

|   |  |                                |
|---|--|--------------------------------|
| 1 | Connect<br>1 ↔ 0                         | Connect<br>2 ↔ 0               |
| 2 | Forward start<br>Connect                 | Forward start<br>Connect       |
| 3 | Can't forward<br>Start connect<br>Node 1 | Can't forward<br>Start connect |

Fig 16





When end-to-end  
not established

Fig 17

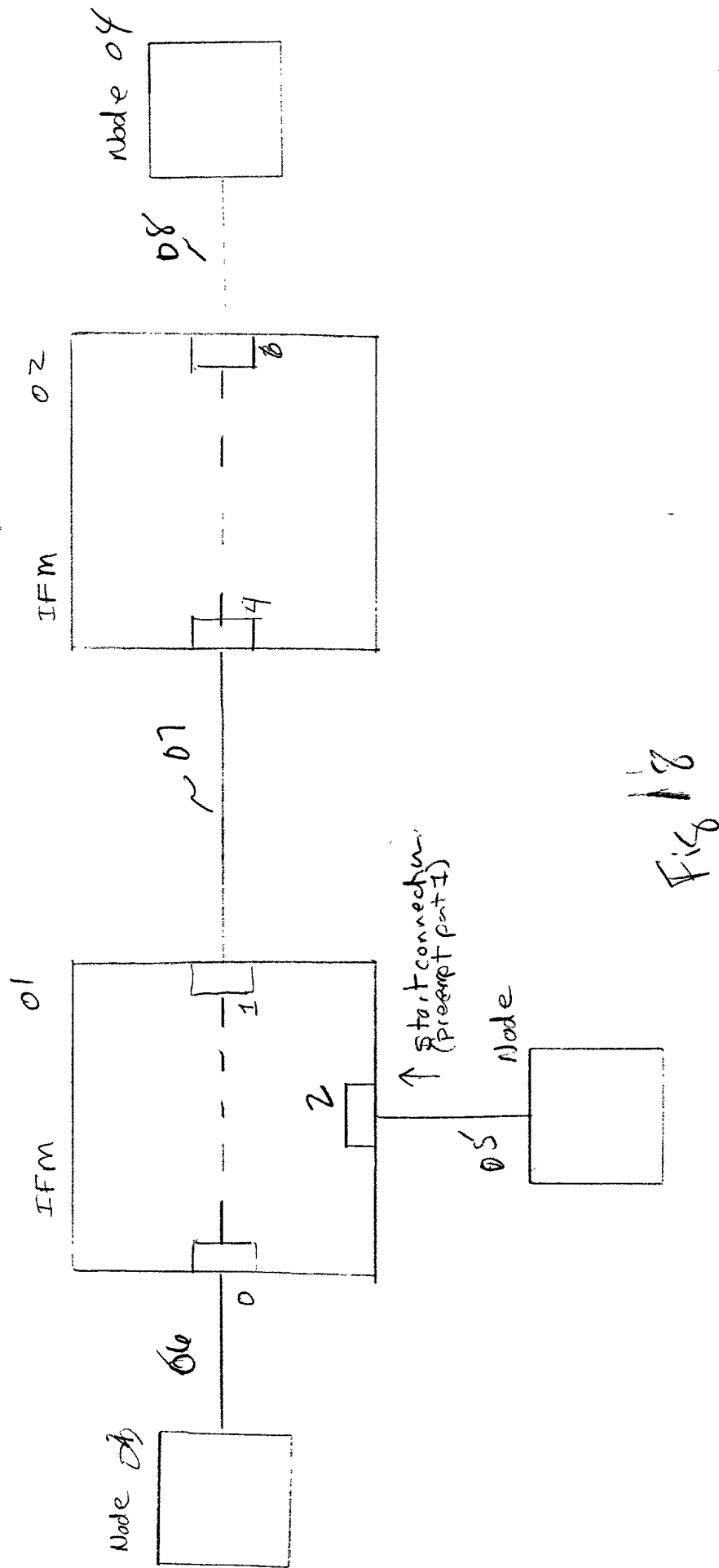


Fig 18

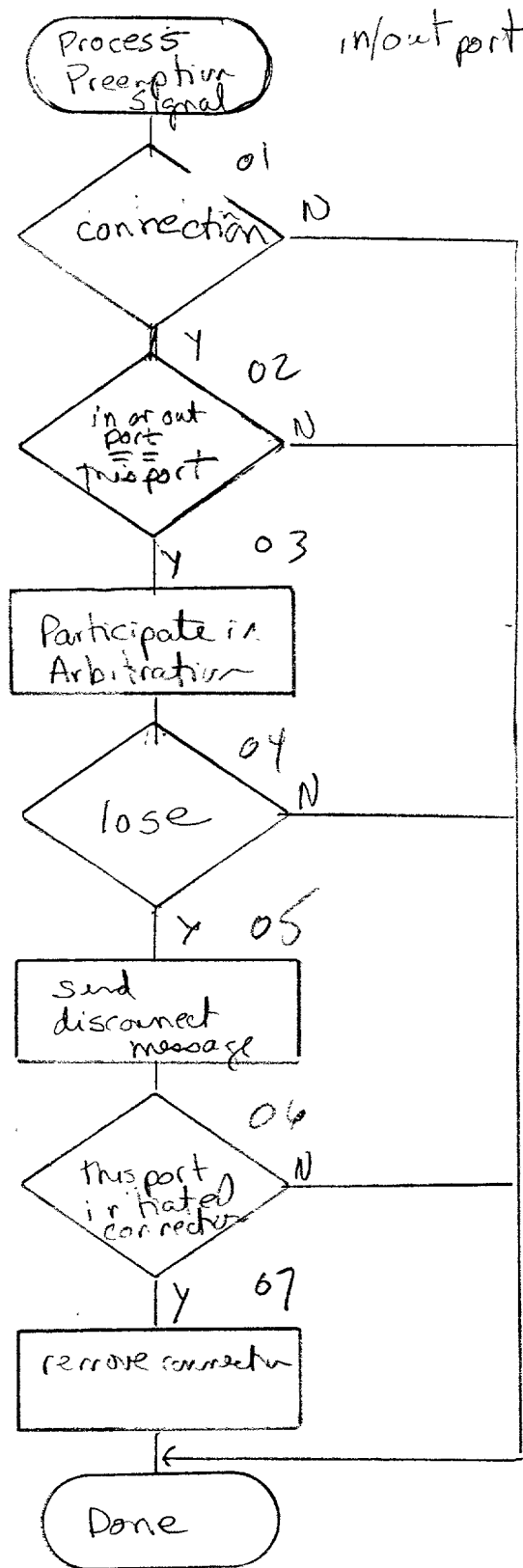


Fig. 19

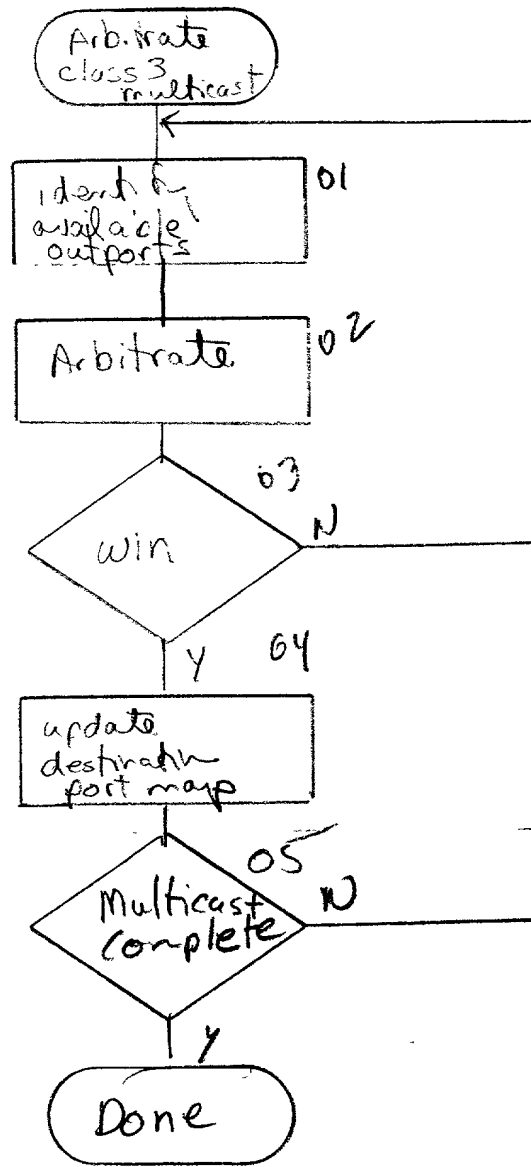


Figure 20